

Tropomyosin-2 Human Recombinant

Item Number	rAP-4985
Synonyms	Tropomyosin 2 (beta), DA1, TMSB, DA2B, AMCD1, NEM4, Arthrogryposis Multiplex Congenital Distal-Type 1, beta-Tropomyosin.
Description	TPM2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 304 amino acids (1-284a.a.) and having a molecular mass of 35.1kDa(molecular weight on SDS-PAGE will appear higher).TPM2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic
Uniprot Accession Number	P07951
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MDAIKKKMQM LKLDKENAID RAEQAEADKK QAEDRCKQLE EEQQAL-QKKL KGTEDEVEKY SESVKEAQEK LEQAEKKATD AADVASLNR RIQLVEEELD RAQERLATAL QKLEEAEEKAA DESERGMKVI ENRAMKDEEK MELQEMQLKE AKHIAEDSDR KYEEVARKLV ILEG-ELERSE ERAEVAESRA RQLEELRTM DQALKSLMAS EEEYSTKEDK YEEEIKLLEE KLKEAETRAE FAERSVAKLE KTIDDLEETL ASAKEENVEI HQTLDQTLLE LNNL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The TPM2 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 100mM NaCl and 30% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**